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(21)Application 2001-274639 (71)Applicant MITSUBISHI MATERIALS
number : : CORP

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(54) COMPOSITE VALVE SEAT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a composite valve seat being a structural member of an internal combustion engine, such as diesel engine and gasoline engine, and particularly a composite valve seat free from falling from an engine head.

SOLUTION: The composite valve seat is constituted by laminating a contact layer composed of Al-containing iron-base sintered alloy having a composition consisting of 5-35% Al and the balance Fe with inevitable impurities and a backup layer composed of Ni-containing iron-base sintered alloy having a composition consisting of 15-45% Ni and the balance Fe with inevitable impurities.